



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> FOR AN OIL WELL	<input checked="" type="checkbox"/> OR GAS WELL		
NAME OF COMPANY OR OPERATOR <b>PENSE BROTHERS DRILLING CO., INC.</b>				DATE <b>11/20/96</b>			
ADDRESS <b>Box 551 - 800 NEWBERRY ST.</b>		CITY <b>FREDERICKTOWN</b>		STATE <b>MO</b>	ZIP CODE <b>63645</b>		
DESCRIPTION OF WELL AND LEASE							
NAME OF LEASE <b>HONSINGER</b>		WELL NUMBER <b>DEVELOPMENTAL #14 (SUPPLEMENTAL)</b>		ELEVATION (GROUND) <b>960 (TOPO)</b>			
WELL LOCATION <b>2850</b> FT. FROM (N) SECTION LINE <b>2150</b> FEET FROM (E) SECTION LINE							
SECTION <b>NE/4</b>		TOWNSHIP <b>5</b>		RANGE <b>43N</b>			
COUNTY <b>CASS</b>		RANGE <b>33W</b>		COUNTY <b>CASS</b>			
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE <b>171</b> FEET							
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE <b>353.35</b> FEET							
PROPOSED DEPTH <b>300'</b>		DRILLING CONTRACTOR, NAME AND ADDRESS <b>PENSE BROS. DRLG. CO. INC. Box 551, FREDERICKTOWN, MO 63645</b>		ROTARY OR CABLE TOOLS <b>ROTARY (AIR)</b>			
PROPOSED DEPTH <b>192.92</b>		NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR <b>14</b>		APPROX DATE WORK WILL START <b>ON PERMIT</b>			
NUMBER OF ABANDONED WELLS ON LEASE <b>3</b>		IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? <b>N/A</b>		NO OF WELLS: PRODUCING <b>5</b>			
NAME <b>N/A</b>		ADDRESS <b>N/A</b>		INJECTION <b>0</b>			
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT <b>\$20,000.00</b>			
				<input checked="" type="checkbox"/> ON FILE			
				<input type="checkbox"/> ATTACHED			
REMARKS (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.) <b>N/A</b>							
PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
<b>50'</b>	<b>7"</b>	<b>19.5 LB.</b>	<b>TO SURF.</b>	<b>50'</b>	<b>7"</b>	<b>19.5 LB.</b>	<b>TO SURFACE</b>
<b>TD TO SURFACE</b>	<b>4 1/2"</b>	<b>10.5 LB.</b>	<b>TD SURF.</b>	<b>300'</b>	<b>4 1/2"</b>	<b>10.5 LB.</b>	<b>TD TO SURFACE</b>
I, the undersigned, state that I am the <b>ASST. V. P.</b> of the <b>PENSE BROS. DRLG. CO., INC.</b> (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.							
SIGNATURE <b>By: B J Blumett</b>				DATE <b>9/10/96 (ORIGINAL)</b> <b>11/20/96</b>			
PERMIT NUMBER <b>20626</b>				<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED			
APPROVAL DATE <b>9-10-96</b>				<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN			
APPROVED BY				<input type="checkbox"/> SAMPLES REQUIRED			
				<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED			
				<input type="checkbox"/> WATER SAMPLES REQUIRED AT			
NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION				<b>NOV 26 1996</b>			
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGICAL WORK OF THE PERMITTEE OR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.							
I, _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.							
SIGNATURE				DATE			

# RECEIVED



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DEC 03 1996

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☒ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER: **PENSE BROS. DRUG. CO., INC.** ADDRESS: **Box 551, FREDERICKTOWN, MO 63645**  
LEASE NAME: **HONSINGER** WELL NUMBER: **#14**

LOCATION: **NE/4** SEC. TWP. AND RANGE OR BLOCK AND SURVEY: **5-43N-33W**

COUNTY: **CASS** PERMIT NUMBER (OGC-3 ~~OR OGC-31~~): **20626**

DATE SPUNDED: **9/10/96** DATE TOTAL DEPTH REACHED: **9/12/96** DATE COMPLETED READY TO PRODUCE OR INJECT: **11/24/96** ELEVATION (DF, RKR, RT, OR Gr.): **960 GY (TOPD)** ELEVATION OF CASING HO FLANGE: **961.5'** FEET

TOTAL DEPTH: **300'** PLUG BACK TOTAL DEPTH: **N/A**

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **249' TO 252' & 254' TO 259'** ROTARY TOOLS USED (INTERVAL): **TO T.D.** CABLE TOOLS USED (INTERVAL): **N/A**  
DRILLING FLUID USED: **AIR & WATER**

WAS THIS WELL DIRECTIONALLY DRILLED?: **No** WAS DIRECTIONAL SURVEY MADE?: **No** WAS COPY OF DIRECTIONAL SURVEY FILED?: **N/A** DATE FILED: **N/A**

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): **LITHOLOGY LOG & GAMMA-RAY NEUTRON LOG** DATE FILED: **11/27/96**

## CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
SURFACE CASING	8 5/8"	7"	19.5 LBS	50' 06"	5	NIL
PRODUCTION CSG.	6 1/4"	4 1/2"	10.5 LBS	291'	46	NIL

## TUBING RECORD

## LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
2 3/8" IN.	250 FEET	N/A FEET	N/A INCH	N/A FEET	N/A FEET	N/A	N/A FEET

## PERFORATION RECORD

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3 1/8" DML-HSC	249' - 252'	{ 250 GAL 15% HCl }	{ 249' - 252' }
2	3 1/8" DML-HSC	254' - 259'	{ 2 GAL ESAN 34, 3 GAL ESAN 35, 2000 LBS 12-20 SAND }	{ 254' - 259' }

## INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: <b>11-24-96 (SWABBING)</b>		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP): <b>TO BE PRODUCED WITH PUMP (1 1/2" X 4' - ALL BRASS 4 CUP @ CUP HOLD DOWN TO 5" GRAD)</b>					
DATE OF TEST: <b>11-24-96</b>	HOURS TESTED: <b>3</b>	CHOKE SIZE: <b>N/A</b>	OIL PRODUCED DURING TEST: <b>3</b> bbls.	GAS PRODUCED DURING TEST: <b>Est. 1 MCF</b>	WATER PRODUCED DURING TEST: <b>NIL</b> bbls.	OIL GRAVITY: <b>33.2 API (CORR)</b>	
TUBING PRESSURE: <b>N/A</b>	CASING PRESSURE: <b>70 LBS</b>	CALC'D RATE OF PRODUCTION PER 24 HOURS: <b>24</b> bbls.		GAS: <b>8</b> MCF	WATER: <b>NONE SHOWN</b> bbls.	GAS OIL RATIO: <b>300-1</b>	

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

**TO BE VENTED + USED FOR FUEL TO + UNATCH PLANNED GAS SALES MID YR 1997**

METHOD OF DISPOSAL OF MUD PIT CONTENTS: **DRILLED WITH AIR ROTARY - CUTTINGS ONLY IN PIT - OVERFILLED WITH TOP SOIL & TO BE RESEED.**

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE **ASS'T. V.P.** OF THE **PENSE BROS. DRUG. CO., INC.** COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE

DATE: **11/25/96** SIGNATURE: **B. E. BLANCETT** **PENSE BROS DRUG. CO., INC.**  
**By: B. E. BLANCETT, ASS'T. V.P.** **11/25/96**

HONSINGER # 14 - FENSE BROS. DRUG. CO., INC.

PERMIT # 20626

EL: 960' GY. (TOPO)

SURF. CSG: 50' 06"

CEMENT - 5 SACKS

SPUDDED: 9/10/96

T.D.: 9/12/96

BEA

- 0-9 TOPSOIL TO CLAY  
9-13 LIMESTONE, SANDY, WHITE TO BUFF  
13-27 SHALE, SANDY, CALCAREOUS, GREY TO BLACK GREY  
27-49 LIMESTONE, BUFF TO TAN, DENSE  
49-60 SHALE, CONGLOMERATE, SLIGHT COAL SHOW  
60-80 LIMESTONE, DENSE TO BUFF TO TAN  
80-90 SHALE + CONGLOMERATE WITH SLIGHT COAL SHOW  
90-102 LIMESTONE WITH SLIGHT SHALE STRIATIONS, SANDY  
102-240 SHALE, GREY TO DARK GREY  
240-244 SHALE, DARK GREY TO BLACK, SLIGHT COAL SHOW & UNDERCLAY  
244-260 SANDSTONE, TAN TO BROWN, ROUNDED TO SUBROUNDED, GOOD  
POROSITY, FLUORESCENCE, GAS EMANATION. FREE OIL TO  
PIT IN ABUNDANT QUANTITY.  
260-268 SANDSTONE TO SILTSTONE, SUBROUNDED TO ANGULAR,  
CALCAREOUS, LESS POROSITY THAN ABOVE WITH DECREASE  
IN FLUORESCENCE, CUT, & GAS EMANATION.  
268-300 SHALE, GREY TO BLUE GREY, CALCAREOUS.

RECEIVED

DEC 03 1996

MO Oil & Gas Council

W. C. LETHCHO  
COUNTY ENGINEER & SURVEYOR  
Bates County Court House  
BUTLER, MO. 64730  
Phone 679-4031

11-28-95 WELL REFERENCE TIES IN THE NORTHEAST QUARTER OF SECTION 5,  
TOWNSHIP 44 NORTH, RANGE 33 WEST OF THE 5TH PRINCIPAL MERIDIAN IN  
CASS COUNTY MISSOURI.

NORTH



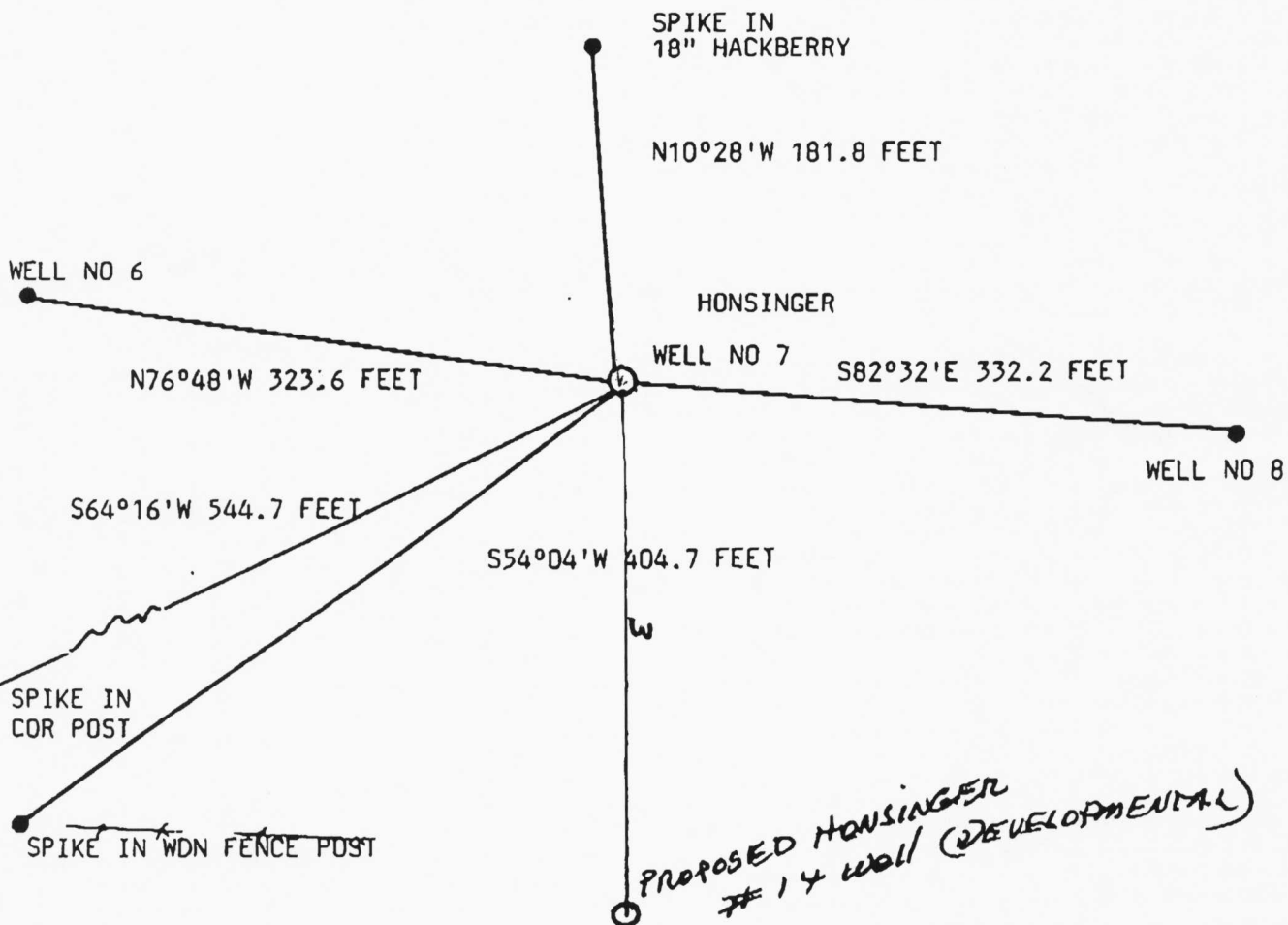
FOR: PENSE BROTHERS DRILLING CO. INC.  
ADRIAN, MO. 64720

1"=100'

MAG BRGS 8° EAST DECL

816-297-4433

SHEET 1 OF 2



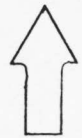
REFERENCED IN ACCORDANCE WITH CURRENT MINIMUM  
STANDARDS.

WILLIAM C. LETHCHO LS-1539

WELL LOCATION MAP - CASS COUNTY TAX MAP 16-03

SHEET 2 OF 2

NORTH



1"=400'±

